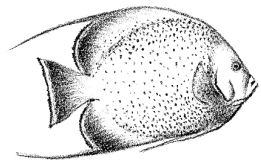


## What if I have more questions?

Contact your tropical fish or pet store professional or call Tucson Water at 791-4331.

You can get more information about the Clearwater Blend and the Clearwater Facility, as well as up-to-date water quality information at the Tucson Water web site – [WWW.CI.TUCSON.AZ.US/WATER/](http://WWW.CI.TUCSON.AZ.US/WATER/).



**CLEARWATER**  
2001



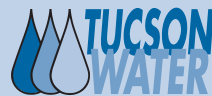
Para recibir este documento escrito en español,  
sírvase llamar al (520) 791-4331.

**CLEARWATER**

2001

## ATTENTION FISH OWNERS!

News About the New  
Tucson Water Which Will be  
Delivered Beginning May 3rd



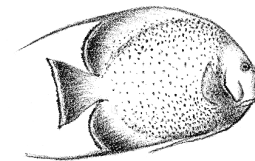
In early May, Tucson Water will begin delivering blended water from the Clearwater Renewable Resource Facility to its customers. This water is a blend of recharged Colorado River water and groundwater that will re-blend with Tucson's existing groundwater supply when it enters our water distribution system.

The Clearwater Blend will be treated with chlorine to meet state and federal drinking water standards, just as our current groundwater supply is treated.

Although the Clearwater Blend should present no new issues for fish owners, it may be helpful to you to fully understand the amount of this new water that will be added to Tucson's water distribution system.

The map inside gives an accurate picture of where our water resources are coming from when Clearwater is operating.

The 18% of our water supply made up by the Clearwater Blend is re-blended several times with water from these other wellfields before it arrives in Tucson. Once it is in the distribution system, it mixes with the groundwater from our central city wells.

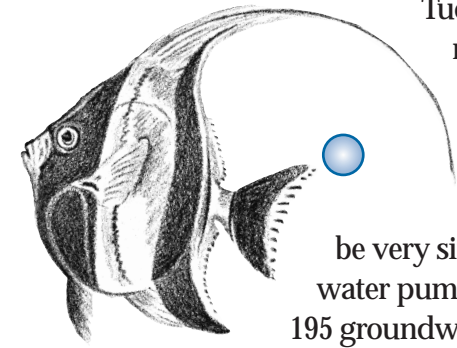


## Is there something different I should do with this new water to keep my fish healthy?

Not really. Fish owners should continue to practice good fish habitat maintenance just exactly as they do now.

The new water that Tucsonans will be receiving from the Clearwater Renewable Resource Facility will

be very similar to the water pumped from the 195 groundwater wells we have been using.



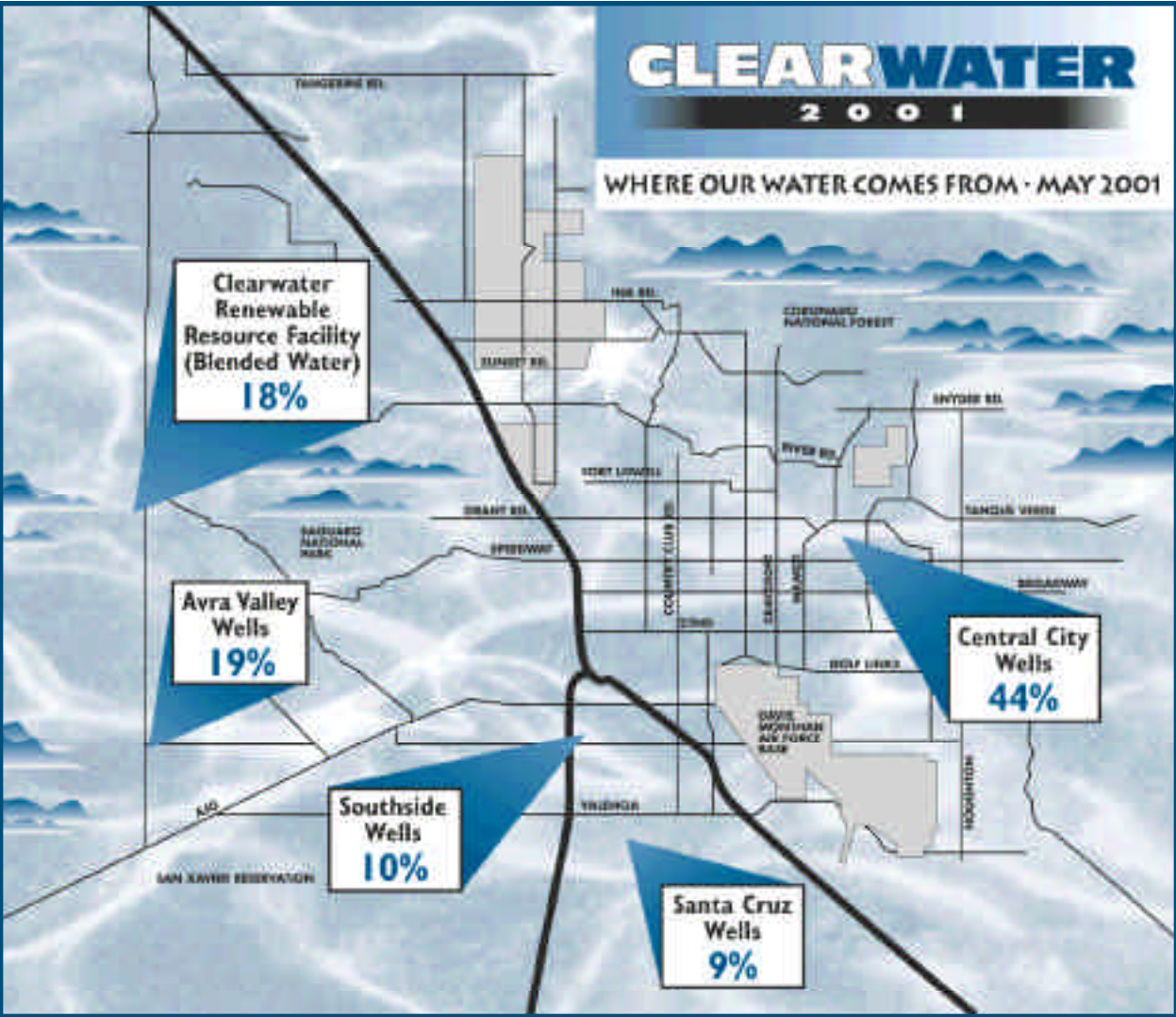
## What is it about tap water that isn't good for fish?

It's the chlorine. Tucson Water, like all other large water utilities, is required by law to add a disinfectant to the water we deliver. Like the groundwater delivered by the rest of our wells, the new Clearwater supply will also be treated with chlorine for disinfection purposes. When chlorine comes into contact with a fish's gills, it damages the cells where oxygen transport takes place. This results in the fish's inability to move oxygen from its gills to the cells in its body.

# I don't treat the water I add to my aquarium now; why will this be different?

It won't be different, but you really should remove chlorine from any water used for fish. Your fish may appear to be okay with additions of chlorinated tap water, but

each time you add this water you are putting unhealthy stress on them. Follow the recommendations of your pet store for removing chlorine.



# What about pH?

**P**H is a measure we use to express the acidity of water. The pH scale ranges from 1 to 14, 1 is very acid, 14 is very alkaline, and 7 is neutral. Tucson Water's groundwater varies from a pH of about 7 to about 8.4. The new water will be within this range.

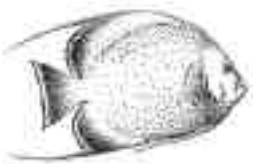
## Is that all I need to know about pH?

**N**o, the pH of any water can change depending on the conditions in the aquarium. If your aquarium is not properly cleaned and maintained, algae growing in the water can cause the formation of ammonia. When the pH begins to get above 8 and ammonia is present, fish can become stressed or even die. Make sure you follow your pet store's recommendations concerning proper maintenance of your aquarium.



# I've heard that CAP water was bad for fish. Is this true?

**N**o. When Tucson Water first delivered CAP water in the early 1990s, we used a different disinfection agent in that water than we now use. That disinfectant, chloramine, was longer lasting than chlorine and required fish owners to take special steps to remove it before adding the water to their ponds or aquariums. The new water from Clearwater will be treated with chlorine just as all of our other water is.



**I**t sounds like I won't have any problems as long as I follow standard good practices on maintaining my fish habitat.

**THAT'S CORRECT.**